

Title (en)

Electrophotographic Photosensitive Member, Process Cartridge and Electrophotographic Apparatus

Title (de)

Elektrophotografischer Photorezeptor, Bildaufzeichnungsgerät und Prozesskartusche

Title (fr)

Photoconducteur électrophotographique organique, appareil électrophotographique et cartouche de traitement

Publication

**EP 1394617 B1 20061213 (EN)**

Application

**EP 03019487 A 20030828**

Priority

- JP 2002253631 A 20020830
- JP 2003297680 A 20030821

Abstract (en)

[origin: EP1394617A2] An electrophotographic photosensitive member is provided having a support and a photosensitive layer provided on the support and containing at least one kind of charge-transporting material which has a specific structure with a molecular weight of from 1,500 to 4,000, and is held in a proportion of from 90% by weight to 100% by weight based on the total weight of the charge-transporting material.

IPC 8 full level

**G03G 5/06** (2006.01); **C07C 211/54** (2006.01); **C07C 217/92** (2006.01); **C07C 323/37** (2006.01); **C07D 307/91** (2006.01); **C07D 333/76** (2006.01); **G03G 5/05** (2006.01); **G03G 5/07** (2006.01)

CPC (source: EP US)

**G03G 5/0605** (2013.01 - EP US); **G03G 5/0607** (2013.01 - EP US); **G03G 5/0609** (2013.01 - EP US); **G03G 5/0629** (2013.01 - EP US); **G03G 5/071** (2013.01 - EP US); **G03G 5/075** (2013.01 - EP US)

Cited by

KR101668448B1; EP1976822A4; KR20190078040A; GB2422838A; GB2422838B; DE112004002193B4; EP3401973A4; US9406886B2; WO2005049546A1; US8440324B2; US7651746B2; US10840452B2; WO2007079101A2; US9431145B2; US10121970B2

Designated contracting state (EPC)

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**EP 1394617 A2 20040303**; **EP 1394617 A3 20050105**; **EP 1394617 B1 20061213**; CN 1275101 C 20060913; CN 1495542 A 20040512; DE 60310323 D1 20070125; DE 60310323 T2 20070621; JP 2004109999 A 20040408; JP 4174391 B2 20081029; US 2005100805 A1 20050512; US 2005208402 A1 20050922; US 6994941 B2 20060207

DOCDB simple family (application)

**EP 03019487 A 20030828**; CN 03156121 A 20030829; DE 60310323 T 20030828; JP 2003297680 A 20030821; US 12941205 A 20050516; US 64967903 A 20030828